



08/23/01

| ISSUE CLASSIFICATION |          |
|----------------------|----------|
| Class                | Subclass |
| 1                    |          |
| 2                    |          |
| 3                    |          |
| 4                    |          |
| 5                    |          |
| 6                    |          |
| 7                    |          |
| 8                    |          |
| 9                    |          |

PATENT NUMBER

**U.S. UTILITY Patent Application**

5C 106

**O.I.P.E.**

PATENT DATE

SCANNED



|                              |                 |              |                 |                          |                                |
|------------------------------|-----------------|--------------|-----------------|--------------------------|--------------------------------|
| APPLICATION NO.<br>09/938230 | CONT/PRIOR<br>F | CLASS<br>348 | SUBCLASS<br>552 | ART UNIT<br>2643<br>2614 | EXAMINER<br><del>LE</del> TRAN |
|------------------------------|-----------------|--------------|-----------------|--------------------------|--------------------------------|

| TITLE                                     | APPLICANTS |
|---|------------|
| 1. <b>Administrative</b>                  |            |
| 2. <b>Business</b>                        |            |
| 3. <b>Education</b>                       |            |
| 4. <b>Health</b>                          |            |
| 5. <b>Law</b>                             |            |
| 6. <b>Science</b>                         |            |
| 7. <b>Social Sciences</b>                 |            |
| 8. <b>Arts and Humanities</b>             |            |
| 9. <b>Engineering</b>                     |            |
| 10. <b>Technology</b>                     |            |
| 11. <b>Environment</b>                    |            |
| 12. <b>Energy</b>                         |            |
| 13. <b>Transportation</b>                 |            |
| 14. <b>Construction</b>                   |            |
| 15. <b>Manufacturing</b>                  |            |
| 16. <b>Information Technology</b>         |            |
| 17. <b>Telecommunications</b>             |            |
| 18. <b>Media</b>                          |            |
| 19. <b>Public Administration</b>          |            |
| 20. <b>International Relations</b>        |            |
| 21. <b>Political Science</b>              |            |
| 22. <b>History</b>                        |            |
| 23. <b>Geography</b>                      |            |
| 24. <b>Anthropology</b>                   |            |
| 25. <b>Psychology</b>                     |            |
| 26. <b>Sociology</b>                      |            |
| 27. <b>Philosophy</b>                     |            |
| 28. <b>Religion</b>                       |            |
| 29. <b>Language</b>                       |            |
| 30. <b>Mathematics</b>                    |            |
| 31. <b>Physics</b>                        |            |
| 32. <b>Chemistry</b>                      |            |
| 33. <b>Biology</b>                        |            |
| 34. <b>Environmental Science</b>          |            |
| 35. <b>Earth Science</b>                  |            |
| 36. <b>Astronomy</b>                      |            |
| 37. <b>Space Science</b>                  |            |
| 38. <b>Computer Science</b>               |            |
| 39. <b>Software Engineering</b>           |            |
| 40. <b>Robotics</b>                       |            |
| 41. <b>Artificial Intelligence</b>        |            |
| 42. <b>Biotechnology</b>                  |            |
| 43. <b>Genetics</b>                       |            |
| 44. <b>Immunology</b>                     |            |
| 45. <b>Microbiology</b>                   |            |
| 46. <b>Plant Biology</b>                  |            |
| 47. <b>Zoology</b>                        |            |
| 48. <b>Ecology</b>                        |            |
| 49. <b>Evolutionary Biology</b>           |            |
| 50. <b>Developmental Biology</b>          |            |
| 51. <b>Cell Biology</b>                   |            |
| 52. <b>Molecular Biology</b>              |            |
| 53. <b>Genomics</b>                       |            |
| 54. <b>Proteomics</b>                     |            |
| 55. <b>Metabolomics</b>                   |            |
| 56. <b>Systems Biology</b>                |            |
| 57. <b>Quantum Physics</b>                |            |
| 58. <b>Particle Physics</b>               |            |
| 59. <b>Cosmology</b>                      |            |
| 60. <b>Astrophysics</b>                   |            |
| 61. <b>Planetary Science</b>              |            |
| 62. <b>Space Exploration</b>              |            |
| 63. <b>Robotics Engineering</b>           |            |
| 64. <b>Autonomous Systems</b>             |            |
| 65. <b>Human-Computer Interaction</b>     |            |
| 66. <b>Software Development</b>           |            |
| 67. <b>Database Management</b>            |            |
| 68. <b>Network Security</b>               |            |
| 69. <b>Cybersecurity</b>                  |            |
| 70. <b>Information Systems</b>            |            |
| 71. <b>Business Analytics</b>             |            |
| 72. <b>Marketing Research</b>             |            |
| 73. <b>Product Design</b>                 |            |
| 74. <b>Service Design</b>                 |            |
| 75. <b>Design Thinking</b>                |            |
| 76. <b>Human Factors</b>                  |            |
| 77. <b>Ergonomics</b>                     |            |
| 78. <b>Industrial Design</b>              |            |
| 79. <b>Architecture</b>                   |            |
| 80. <b>Urban Planning</b>                 |            |
| 81. <b>Transportation Planning</b>        |            |
| 82. <b>Infrastructure Development</b>     |            |
| 83. <b>Construction Management</b>        |            |
| 84. <b>Project Management</b>             |            |
| 85. <b>Quality Management</b>             |            |
| 86. <b>Supply Chain Management</b>        |            |
| 87. <b>Logistics Management</b>           |            |
| 88. <b>Operations Management</b>          |            |
| 89. <b>Manufacturing Engineering</b>      |            |
| 90. <b>Production Engineering</b>         |            |
| 91. <b>Process Engineering</b>            |            |
| 92. <b>Automation Engineering</b>         |            |
| 93. <b>Control Engineering</b>            |            |
| 94. <b>Electrical Engineering</b>         |            |
| 95. <b>Electronic Engineering</b>         |            |
| 96. <b>Computer Engineering</b>           |            |
| 97. <b>Software Engineering</b>           |            |
| 98. <b>Systems Engineering</b>            |            |
| 99. <b>Telecommunications Engineering</b> |            |
| 100. <b>Media Engineering</b>             |            |

Takeshi Kaminosono

Television with built-in DVD device

PTO-2040  
12/99

# ISSUING CLASSIFICATION

[illegible]

|   |   |             |                       |                                   |                      |
|---|---|-------------|-----------------------|-----------------------------------|----------------------|
| <input type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>   | <b>DRAWINGS</b>                                 |             | <b>CLAIMS ALLOWED</b> |                                   |                      |
|   | Sheets Drwg.                                    | Figs. Drwg. | Print Fig.            | Total Claims                      | Print Claim for O.G. |
| <input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.<br><br><input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____<br><br>_____<br><br>_____   | _____ (Assistant Examiner) _____ (Date)         |             |                       | <b>NOTICE OF ALLOWANCE MAILED</b> |                      |
|   | _____ (Primary Examiner) _____ (Date)           |             |                       | <b>ISSUE FEE</b>                  |                      |
|   |   |             |                       | Amount Due                        | Date Paid            |
|   |   |             |                       | <b>ISSUE BATCH NUMBER</b>         |                      |
| <input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.   | _____ (Legal Instruments Examiner) _____ (Date) |             |                       |                                   |                      |
| <b>WARNING:</b><br>The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. |   |             |                       |                                   |                      |

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